

CLAIMS

What is Claimed Is:

1. An interconnect for a flexure of a hard disk drive comprising:
a flexure coupled to an actuator arm pivotally mounted to a base plate via a bearing assembly;
a head slider adhered to the flexure; and
5 a circuit coupled to the head slider and formed on the flexure, the circuit generating current sufficient to dissipate electrostatic voltage on the head slider.

2. The interconnect of Claim 1 further comprising a head coupled to the head slider.

3. The interconnect of Claim 2 wherein the circuit generates current that flows through a head coupled to the head slider to dissipate electrostatic voltage on the head and head slider.

4. The interconnect of Claim 1 wherein an adhesive is provided to adhere the head slider to the flexure.

5. The interconnect of Claim 4 wherein the adhesive comprises an electrically conductive epoxy.

6. An interconnect for a flexure of a hard disk drive comprising:
a flexure coupled to an actuator arm pivotally mounted to a base plate via a bearing assembly;
a head slider adhered to the flexure, the head slider adhered to the flexure via an 5 electrically conductive adhesive;
a head coupled to the head slider; and

a circuit coupled to the head, head slider, and to the flexure, the circuit generating current sufficient to breakdown the impedance of the conductive adhesive to allow current to flow through the adhesive.

7. The interconnect of Claim 6 wherein the circuit generates current that flows through the head and head slider to dissipate electrostatic voltage on the head and head slider.

8. The interconnect of Claim 7 wherein the circuit includes a switch for controlling the flow of current through the head and head slider.

9. An interconnect for a flexure of a hard disk drive comprising:
a flexure coupled to an actuator arm pivotally mounted to a base plate via a bearing assembly;

a head slider adhered to the flexure via an electrically conductive adhesive;

a head coupled to the head slider; and

5 a circuit coupled to the head, head slider, and to the flexure, the circuit generating current sufficient to breakdown the impedance of the conductive adhesive to allow current to flow through the head and head slider to dissipate electrostatic voltage on the head and head slider.

10. The interconnect of Claim 9 wherein the circuit includes a switch for controlling the flow of current through the head and head slider.

11. A method for dissipating electrostatic voltage on a head slider, the method comprising the following steps:

(a) providing a flexure coupled to an actuator arm pivotally mounted to a base plate via a bearing assembly;

5 (b) providing a head slider adhered to the flexure, the head slider adhered to the flexure via a conductive adhesive;

(c) generating a current sufficient to breakdown the impedance of the conductive adhesive; and

(d) applying current to the head slider to dissipate electrostatic voltage on the head
10 slider.

12. The method of Claim 11 wherein the current is intermittently applied the current to the head slider to dissipate electrostatic voltage on the head slider.